

(ii) Conceive, design, and evaluate new bioprocessing techniques for eliminating undesirable constituents from or adding desirable ones to food products.

(iii) Propose and evaluate ways to enhance utilization of the capabilities and resources of food and agricultural institutions to promote rural development (e.g., exploitation of new technologies by small rural businesses).

(iv) Identify control factors influencing consumer demand for agricultural products.

(v) Analyze social, economic, and physiological aspects of nutrition, housing, and life-style choices, and of community strategies for meeting the changing needs of different population groups.

(vi) Other high-priority areas such as human nutrition, sustainable agriculture, biotechnology, agribusiness management and marketing, and aquaculture.

(b) *Centralized research support systems.* (1) The purpose of this initiative is to establish centralized support systems to meet national needs or serve regions or clientele that cannot otherwise afford or have ready access to the support in question, or to provide such support more economically thereby freeing up resources for other research uses.

(2) Examples include, but are not limited to:

(i) Storage, maintenance, characterization, evaluation and enhancement of germplasm for use by animal and plant breeders, including those using the techniques of biotechnology.

(ii) Computerized data banks of important scientific information (e.g., epidemiological, demographic, nutrition, weather, economic, crop yields, etc.).

(iii) Expert service centers for sophisticated and highly specialized methodologies (e.g., evaluation of organoleptic and nutritional quality of foods, toxicology, taxonomic identifications, consumer preferences, demographics, etc.).

(c) *Technology delivery systems.* (1) The purpose of this initiative is to promote innovations and improvements in the delivery of benefits of food and agricultural sciences to producers and consumers, particularly those who are cur-

rently disproportionately low in receipt of such benefits.

(2) Examples include, but are not limited to:

(i) Computer-based decision support systems to assist small-scale farmers to take advantage of relevant technologies, programs, policies, etc.

(ii) Efficacious delivery systems for nutrition information or for resource management assistance for low-income families and individuals.

(d) *Other creative proposals.* The purpose of this initiative is to encourage other creative proposals, outside the areas previously outlined, that are designed to provide needed enhancement of the Nation's food and agricultural research system.

§ 3406.17 Program application materials—research.

Program application materials in an application package will be made available to eligible institutions upon request. These materials include the program announcement, the administrative provisions for the program, and the forms needed to prepare and submit research grant applications under the program.

§ 3406.18 Content of a research proposal.

(a) *Proposal cover page.* (1) Form CSREES-712, "Higher Education Proposal Cover Page," must be completed in its entirety. Note that providing a Social Security Number is voluntary, but is an integral part of the CSREES information system and will assist in the processing of the proposal.

(2) One copy of Form CSREES-712 must contain the pen-and-ink signatures of the principal investigator(s) and Authorized Organizational Representative for the applicant institution.

(3) The title of the research project shown on the "Higher Education Proposal Cover Page" must be brief (80-character maximum) yet represent the major thrust of the project. This information will be used by the Department to provide information to the Congress and other interested parties.

(4) In block 7. of Form CSREES-712, enter "Capacity Building Grants Program."